## IN THE CLAIMS: .

Please cancel claim 2 without prejudice or disclaimer; amend claims 1 and 3-18 as indicated below, and add claims 19 and 20 follows:

- 1. (Currently amended) Flowmeter A variable flow float flowmeter comprising a fluid inlet including an adaptor, an upper fluid inlet body including a fluid inlet tube, passage and a flow detector including a fluid circulation passage and a vertical conical tube passage including a ball and a fluid circulation tube sphere, and a lower body arranged for enabling the fluid to exit through it, an adjuster for the fluid flow, and a fluid outlet tube passage, the upper fluid inlet body being fixed to the lower fluid outlet body, the upper body including a cast single piece assembly in which an arranged so the inlet tube, passage leads towards a flow measurement tube passage communicating with one end of the inlet tube and a fluid circulation tube passage, the tubes being formed and arranged for enabling fluid to communicate through one end with the measurement tube and through [[the]] its other end, with a the flow adjuster leading towards the outlet tube passage.
  - 2. (Cancelled)
- 3. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 1, wherein the flow adjuster

includes a disk arranged to be rotatably driven, the disk including holes with diameters and spacing between each other, the diameters and spacing of the holes being arranged so that during fluid distribution, the whole diameter of at least one hole always directly faces the outlet tube passage, regardless of the position of the disk, to enable uninterrupted fluid distribution, without any risk of interruption even during [[the]] flow adjustment, the disk and the outer passage being arranged to provide gradual adjustment of the flow in response to turning of the disk as a function of progressive change in the diameter of at least one of the diameter of the hole(s) and in the density of the holes facing the outlet tube passage being arranged to provide gradual adjustment of the flow in response to turning of the disk.

- 4. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 1, wherein the upper fluid inlet body base has dimensions that are the same as the dimensions of the lower fluid outlet body, the upper fluid inlet body being fixed to the lower body by screws at its four corners, by gluing, by welding or by clipping.
- 5. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 1, wherein the fluid inlet tube passage is substantially perpendicular to the flow measurement tube passage including the ball sphere.

- 6. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 1, wherein the flow measurement tube passage including the ball sphere is slightly conical.
- 7. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 1, wherein the flow measurement tube passage including the ball sphere includes a transparent graduated wall on at least one portion, the wall being arranged so a user can see the ball sphere and read the resulting flow.
- 8. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 1, wherein the flow measurement tube passage and the fluid circulation tube passage have parallel longitudinal axes.
- 9. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 1, wherein the fluid circulation tube passage is slightly conical.
- 10. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 3, wherein the holes are perforated in the disk.
- 11. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 3 wherein the disk includes at least two concentric rows of holes with precise dimensions, the holes in each row being arranged to be offset from the holes in

the other row and being at a regular angular spacing, the diameter of the holes encountered in sequence in a given rotation direction varying gradually for each successive hole belonging to two different rows and adjacent along the angular direction, the spacing between successive holes in two rows being less than the diameters of the fluid inlet and outlet tubes passages in the body, the fluid outlet or inlet tube passage facing several holes in the disk to enable gradual flow adjustment without any risk-of interrupting the fluid flow in response to turning of the disk.

- 12. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 3, further including a knob for turning in the body fixed in rotation with the disk so that the knob can be turned to adjust the flow, the holes a passage in the knob enabling fluid circulation as far as the precision holes in the fluid flow adjustment disk.
- flowmeter according to claim 1, wherein the disk includes at least two concentric rows of holes with precise dimensions and a hole in a lower part of the body forms the fluid outlet [[hole]] passage, the diameter of the outlet [[hole]] passage being greater than the spacing between at least two holes in the same row in the disk to assure that the outlet tube passage is always facing three holes in the disk.

- 14. (Currently amended) Flowmeter A variable flow float flowmeter according to claim 12, further including O-rings arranged in grooves in the periphery of the cylindrical surface of the knob, and on the internal peripheral surface of a skirt of the knob and the lower and upper parts of the body including the inlet tube passage and the outlet tube passage respectively, and a seal between the disk and the outlet tube passage in a larger diameter hole than the fluid outlet tube passage.
- 15. (Currently amended) Flowmeter A variable flow float flowmeter according to claim [[8]] 12, wherein the knob is knurled on its external periphery and projects on at least one face of the body so that it can be turned manually.
- 16. (Currently amended) Flowmeter A variable flow float

  flowmeter according to claim 12, wherein the body includes two
  pieces of moulded plastic material, at least partially enclosing
  the knob and the disk.
- 17. (Currently amended) Flowmeter A variable flow float flowmeter according to claim [[8]] 12, wherein the diameter of the disk is smaller than the diameter of the knob.
- 18. (Currently amended) Flowmeter A variable flow float flowmeter according to claim [[13]] 3, wherein the orifices

outer passage facing the disk [[face]] faces at least three of the holes.

19. (New) A variable flow float flowmeter comprising a fluid inlet including an adaptor, an upper fluid inlet body including a fluid inlet passage, a flow detector including a vertical conical passage including a sphere and a slightly conical fluid circulation passage, and a lower body arranged for enabling the fluid to exit through it, an adjuster for the fluid flow, a fluid outlet passage, the upper fluid inlet body being fixed to the lower fluid outlet body, the upper body including a cast single piece assembly having an inlet passage, a flow measurement passage communicating with the inlet passage and a fluid circulation passage, the passages being formed and arranged for enabling fluid to communicate through one end with the measurement passage and through the other end with a flow adjuster leading towards the outlet passage.

20. (New) A variable flow float flowmeter comprising a fluid inlet including an adaptor, an upper fluid inlet body including a fluid inlet passage, a flow detector including a vertical conical passage including a sphere and a fluid circulation passage, and a lower body arranged for enabling the fluid to exit through it, an adjuster for the fluid flow, a fluid outlet passage, the upper fluid inlet body being fixed to the lower fluid outlet body, the upper body including a cast

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single piece assembly having an inlet passage, measurement passage communicating with the inlet passage and a fluid circulation passage, the passages being formed and arranged for enabling fluid to communicate through one end with the measurement passage and through the other end with a flow adjuster leading towards the outlet passage, the flow adjuster including a disk arranged to be rotatably driven, the disk including holes arranged so at least one hole always faces the outlet passage, regardless of the position of the disk, to enable fluid distribution without any risk of interruption even during the flow adjustment, at least one of the diameter of the hole(s) and the density of the holes facing the outlet passage being arranged to provide gradual adjustment of the flow in response to turning of the disk, the disk including at least two concentric rows of holes with precise dimensions, the holes in each row being arranged to be offset from the holes in the other row and being at a regular angular spacing, the diameter of the holes encountered in sequence in a given rotation direction varying gradually for each successive hole belonging to two different rows and adjacent along the angular direction, the spacing between successive holes in two rows being less than the diameters of the fluid inlet and outlet passages in the body, the fluid outlet or inlet passage facing several holes in the disk to enable gradual flow adjustment without any risk of interrupting the fluid flow in response to turning of the disk.